



Visit Us on the Web at www.chatillon.com

TCD200 Series Digital Force Tester (225 lbf, 1000 N)

Specification Sheet
SS-FM-3127-0904
September 2004

The TCD200 Series digital test stand features bi-directional RS232C communications that support data exchange and remote control using a personal computer. Force and deflection data may be transmitted or requested and used with our NEXYGEN FM Series software for comprehensive force measurement and material testing analysis. The TCD200 features a ball screw drive with dual column alignment for precise linear motion. Dynamic braking provides positive control of the motor. Programming of test speed, high and low deflection setpoints and cycling are performed using the membrane-style keypad. "MIN" and "MAX" speed functions are also provided for easy setup. Two LCD displays indicate speed and deflection values along with status indicators of the programmed functions and units of measurement (inches or millimeters).

Features

- Easy to Use, Rugged Construction
- Membrane Multi-function Keypad for Simple Operation
- Serial Data Communications
- Precision Ball Screw Drive Mechanism
- Programmable Cycling Up to 1000 Cycles
- Limit Cycling on Force and Deflection
- Dynamic Braking
- Emergency Stop Button
- Adjustable High and Low Limits
- Maintenance-free Design
- 1 Year Warranty

Specifications

- Capacity:** 225 lbf (1000 N)
Note: Higher speed testers derated to 112 lbf (500 N)
- Crosshead Speed:** Model Dependent
- Speed Accuracy:** ±5% Full Scale
- Travel:** Approximately 18-inches (457 mm)
- Load Measuring:** Chatillon Force Gauge
- Outputs:** RS232C Serial Data Communications
- Supply Voltage:** 115Vdc or 220Vdc
- Operating Temp:** 40 to 95F (5 to 35C)
- Weight:** Approx. 22 lbs (10 kg)
- Warranty:** 1 year



TCD200 with DFS Series digital force gauge



You Get More with Your CHATILLON Gauge.



A registered trademark of AMETEK Inc.

Ordering

Model	Speed	Capacity	Power
TCD200	0.5 to 12.5 inch/min 12.5 to 312.5 mm/min	200 lbf (1 kN)	115V
TCD200-SS	0.02 to 0.5 inch/min 0.5 to 12.7 mm/min	200 lbf (1 kN)	115V
TCD200-MS	0.1 to 2.5 inch/min 2.5 to 62.5 mm/min	200 lbf (1 kN)	115V
TCD200-MH	1.0 to 25.0 inch/min 25.0 to 62.5 mm/min	200 lbf (1 kN)	115V
TCD200-HS	2.0 to 50.0 inch/min 50.0 to 1250.0 mm/min	100 lbf (500 N)	115V

Note: Please add suffix "-220V" after model number when the instrument is required to operate using 220V power.

Example: TCD200-220V

Standard Accessories

Order No.	Description
SPK-FM200-015	DF Gauge Adapter
SPK-FM200-018	DFT Gauge Adapter
SPK-FM200-019	DFGS Gauge Adapter

Optional Accessories

Order No.	Description
SPK-DG-TCM-TCD	DG Series Gauge Adapter
NC000985	DFM Gauge Adapter
NC000300	DFGS-R, DFA-R, DF-R Gauge Adapter
ENC0125	Gauge Interface Cable, 9-Pin
ENC0157	Mitutoyo 10 Pin Cable
NC000477	Personal Computer Interface Cable
40/0738	Nexygen FM Software (Use with Chatillon Gauge)

AMETEK

TEST AND CALIBRATION INSTRUMENTS

For the authorized Chatillon Distributor or Manufacturer's Representative near you, go to www.chatillon.com

Americas
AMETEK TCI Division
8600 Somerset Drive
Largo, Florida 33773
United States of America
Tel +1-727-536-7831
Tel +1-800-527-9999
Fax +1-727-539-6882
Email chatillon.fl-lar@ametek.com

France
AMETEK Lloyd Instruments SAS
3 avenue des Coudriers
Zone d'Activite de l'Observatoire
78180 Montigny-Le-Bretonneux
France
Tel +33-1-3057-4774
Fax +33-1-3057-5033
Email general@lloyd-instruments.com

Germany
AMETEK GmbH
Rudolf-Diesel-Strasse 16
D-40670 Meerbusch
Germany
Tel +49-0-2159-9136-70
Fax +49-0-2159-9136-80
Email apie@ametek.dr

Singapore
AMETEK Singapore Pvt. Ltd.
10 Ang Mo Kio Street 65
#05-12 Techpoint
Singapore 569059
Tel +65-484-2388
Fax +65-481-6588
Email aspl@ametek.com.sg

United Kingdom
AMETEK Lloyd Instruments Ltd.
Forum House, 12 Barnes Wallis Rd
Segensworth East
Fareham
Hampshire PO15 5TT
United Kingdom
Tel +44-0-1489-574221
Fax +44-0-1489-885118
Email uk-far.general@ametek.co.uk

Visit Us on the Worldwide Web at:
www.chatillon.com

© 2004 by AMETEK, Inc.

Information within this document is subject to change without notice.



ISO 9001/2000
ISO/IEC17025
Manufacturer